

WHAT IS CLAIMED IS:

1. A motor comprising:

a stator provided with a resin coil bobbin formed by insert molding having metallic stator cores; and

5 a rotor accommodated in said stator, said rotor being rotated while being urged by an urging member in the axial direction of said rotor;

wherein a positional regulation part for regulating the position of said rotor in a thrust direction is integrally provided in said coil bobbin.

2. A motor according to claim 1, further comprising a slide bearing movable in the axial direction of said rotor and rotatably receiving one end of a shaft of said rotor, and

15 wherein a holding portion for holding said slide bearing is provided integrally with said coil bobbin, and said urging member is attached to said holding portion.

3. A motor according to claim 2, wherein said positional regulation part is constituted by a bearing provided at the other end of said shaft.

4. A motor according to claim 3, wherein said positional regulation part accepts indirectly an urging force of said urging member via a washer made of resin.

5. A motor according to claim 3, wherein the other end of said shaft is protruded from said bearing, and a lead screw portion is formed in said protruded portion.

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